

DETAILED SOIL SURVEY OF BEHDALA OPERATIONAL RESEARCH
PROJECT ON WATERSHED MANAGEMENT (I.C.A.R.) TEHSIL AND
DISTRICT UNA, HIMACHAL PRADESH

A B S T R A C T

1. Survey area : Three mini watersheds of village
Behdala and Chatara, tehsil and District
Una, Himachal Pradesh 31°26'30" to
31°28'10" NL; and 76°18' to 76°21'EL
2. Total area : 482 ha.
Mini water- (1) 212 ha.
shed area (2) 110 ha.
(3) 160 ha.
3. Kind of survey: Detailed soil survey
4. Period of survey: July 2-16, 1983
5. Soil series mapped and area covered by each series

Name of Soil series	Area in ha.			Total
A	17 (8.0)	18 (16.4)	22 (13.7)	57 (11.9)
B	6 (2.8)	13 (11.8)	10 (6.3)	29 (6.0)
C	-	2 (1.8)	43 (26.9)	45 (9.3)
D	53 (25.0)	49 (44.5)	36 (22.5)	138 (28.6)
E	90 (42.5)	-	21 (13.1)	111 (23.0)
Miscellaneous	46 (21.7)	28 (25.5)	28 (17.5)	102 (21.2)
	212	110	160	482

6. Land capability units (L.C.U.)

(a) Arable Lands

L.C.U	Soil series	<u>Miniwatersheds</u>			Total
		<u>Area in ha. (%)</u>			
		1	2	3	
II-1	B	6 (2.8)	7 (6.4)	2 (1.3)	15 (3.1)
II-2	C	-	2 (1.8)	25 (15.6)	27 (5.6)
IIIe-1	B	-	6 (5.5)	8 (5.0)	14 (2.9)
IIIe-2	c	--	-	9 (5.6)	9 (1.9)
IIIIs-1	A	1 (0.5)	1 (1.0)	1 (0.6)	3 (0.7)
IIIIs-2	D	12 (5.7)	-	4 (2.5)	16 (3.3)
IIIe-1	C	--	-	9 (5.6)	9 (1.9)
IIIes-1	A	29 (13.7)	38 (34.4)	26 (16.3)	54 (11.2)
IIIes-2	D	5 (2.3)	22 (20.0)	9 (5.6)	75 (15.6)
IVes-1	D	9 (4.2)	4 (3.6)	18 (11.2)	31 (6.4)
IVes-2	D	14 (6.6)	2 (1.8)	-	16 (3.3)
<u>(b) Non-arable lands</u>					
VIIes-1	E	90 (42.5)	-	21 (13.2)	111 (23.0)
Miscellaneous lands		46 (21.7)	28 (25.5)	28 (17.5)	102 (21.2)
<u>Total</u>		212	110	160	482

